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**Generational garbage collection without temporary space leaks for lazy functional languages**

N Rőjemo - Memory Management, 1995 - Springer

... The default is (221), ie, **delay** tenuring of both updateable nodes and nodes with pointers two collections, tenuring of the rest of the nodes is delayed one **collection**. ... is included as it is reported by Seward [Sew92] as a bad example for **generational garbage collection**. ...

Cited by 8 - [Related articles](#) - [BL Direct](#) - [All 3 versions](#)**Opportunistic garbage collection**

PR Wilson - ACM SIGPLAN Notices, 1988 - portal.acm.org

... Opportunistic **garbage collection** attempts to reduce the frequency of these failures in two ways: by ... **generation**, which implies a certain risk -- at some point the intermediate **generation** must be ... If we can **delay** scavenging intermediate memory until an opportune point, the large ...

Cited by 18 - [Related articles](#)**Dynamic adaptive pre-tenuring**

TL Harris - Proceedings of the 2nd international symposium on ..., 2000 - portal.acm.org

... are also able to reduce the cost of allocating short-lived objects by placing them contiguously and **delay**- ing deallocation ... from top-left, how dy- namic pre-tenuring affects the reported result of the bench- mark, the **garbage collection** time, old **generation collection** time and ...

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AM Cheadle, AJ Field, S Marlow, SL Jones, ... - Proceedings of the 4th ..., 2004 - portal.acm.org

... Note that there is an inherent **delay** between a closure be- ing entered for the first time and the closure ... col- lector is that there is a one-word overhead on all objects that survive at least one **garbage collection** (all objects are either copied to the young **generation** to-space ...

Cited by 9 - [Related articles](#) - [All 42 versions](#)[psu.edu](#) [PDF]**Controlling garbage collection and heap growth to reduce the execution time of Java applications**

T Brecht, E Arjomandi, C Li, H Pham - ACM Transactions on ..., 2006 - portal.acm.org

Page 1. Controlling **Garbage Collection** and Heap Growth to Reduce the Execution Time of ... Page2. Controlling **Garbage Collection** and Heap Growth • 909 approach used in the standard BDW**collector**, our new strategy can significantly reduce application execution times. ...Cited by 49 - [Related articles](#) - [BL Direct](#) - [All 21 versions](#)[psu.edu](#) [PDF]**[PDF] Distributed garbage collection of active objects: A transformation and its applications to java programming**

A Vardhan - Citeseer

... Communication between actors is asynchronous with unbounded **delay** but guaranteed delivery. ... used to **tenure** an object from a young **generation** to an old **generation**. 3.2 Distributed **garbage collection** In distributed systems, object references may cross site boundaries. ...

Cited by 9 - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)[psu.edu](#) [PDF]**Pretenuring in java by object lifetime and reference density using scratch-pad memory**

KF Chong, CY Ho, AS Fong - Parallel, Distributed and Network ..., 2007 - leeeexplore.ieee.org

... Accessing them will result in a substantial amount of cache misses and sweeping **delay**. ... To exploit **generational garbage collection**, we introduce an effective pretenuring mechanism, which makes use of object lifetime and reference density, to directly **tenure** CM and CI ...

Cited by 3 - [Related articles](#) - [All 4 versions](#)**Generational Garbage Collection without Temporary Space Leaks for Lazy Functional Languages**

N Rőjemo - ... : international workshop, IWMM'95, Kiroos, UK, ..., 1995 - books.google.com

... The default is (221), ie, **delay** tenuring of both updateable nodes and nodes with pointers two collections, tenuring of the rest of the nodes is delayed one **collection**. ... is included as it is reported by Seward [Sew92] as a bad example for **generational garbage collection**. ...

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R Niklas - Citeseer

... The temporary space leak created by the simple **generational collector** costs a lot of time in the ...  
as is visible in Figure 6. Increasing the heap size increases the **garbage collection** time for the ...  
To **delay** tenuring of updateable nodes one **collection** is not enough for this program ...


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## Method and apparatus for reducing object pre-tenuring overhead in a **generational garbage collector**

A Printezis, DL Dellefs, F Rojas - US Patent 7,676,511, 2010 - Google Patents

... avoids the cost of copying the objects from the young **generation** to the 2 old **generation** if the ...  
that perform collections by copying objects out of the collected area, called "copying **garbage**  
collectors", pre- tenuring also avoids copying the objects during every minor **collection**. ...

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